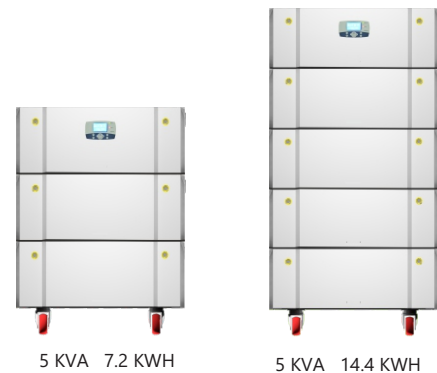
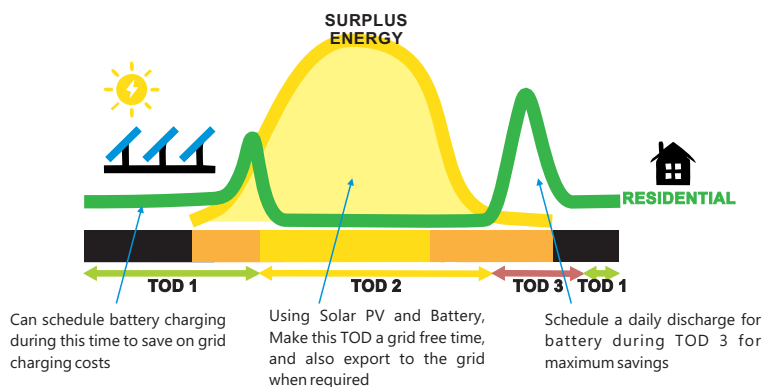


ENERGY STORAGE SYSTEM

3KVA /5KVA /6 KVA | Li-ION BASED



Statcon Energiaa's ESS Pegasus Li+ & Sphinx Li+ series form our stunning, powerful and premium segment of Solar Energy Storage Systems. A perfect combination of our robust Hybrid inverter technology and an energy pack of up to 24 KWh Li-Ion battery - it provides enough punch to run your heavy duty loads like 1.5 T air conditioner. This series is designed to revolutionise the vast domestic market, making seamless energy accessible in every household. This grid-synchronised plus storage-based solar pack promises 100% utilisation of power as compared to conventional solar PCUs. You can now store the electricity as per time-of-day (TOD) and export to the grid during lean load periods or when you are not home. Run your loads on this heavy-duty inverter system and get rid of high electricity.



Timed Scheduling Features

- Programmable time-based schedules
- Schedules include charge inhibit, sleep mode, forced-islanding, export control and load following
- All schedules are remote-controllable



Plug 'N' Play – A Drawing Room solution

- Minimal footprint with zero installation effort
- In-built battery
- Fits the aesthetics of your building/ house



Synchronises with Grid for Power Export

- Suited for net-metering applications
- Built-in Time-of-Day feature
- No need of additional export control



Runs your heavy loads

- Runs heavy loads during a power cut
- Can sustain a 1.5 Ton Air Conditioner Load
- Applications: Bungalows, small offices, shops, farmhouses, villas, residential apartments, banks,

Applications



Residences



Bank ATM



Shops



Clinics



Gyms



Small Offices

ENERGY STORAGE SYSTEM

3KVA /5KVA /6 KVA | Li-ION BASED



RATINGS	3KVA/ 48V/ 1P	5KVA/ 48V/ 1P	6KVA / 48V/ 1P
BATTERY PACK			
Storage Capacity Range	3.6KWhr - 19.2KWhr	7.2KWhr - 19.2KWhr	7.2KWhr - 19.2KWhr
Battery Type		LiFePo4 (LFP Type)	
BMS		Active BMS Inbuilt	
Max. Charge / Discharge Rate		0.5C/1C Rate	
No. of Cycles		>3000	
MPPT SOLAR CHARGE CONTROLLER			
MPPT Topology		Buck Type	
Input PV Capacity (in KW)		Same as Inverter Capacity	
Max. Open Circuit Voltage (Voc)		190V DC	
MPPT Input Range (Vmp)		75-160V DC	
MPPT Efficiency		95%	
ACTIVE FRONT END INVERTER			
Power Inverter Type		3KVA 5KVA 6KVA	
Inverter Type		Hybrid with Grid Export Features	
Output Voltage (Standalone Mode)		230VAC +/-2%	
Output frequency (Standalone Mode)		50Hz +/-2%	
Output Power		Same as Inverter Capacity	
Overload 60sec 30sec 5sec		101 - 110% 111 - 125% 126 - 150%	
Auto Bypass/ Manual Bypass		Provided	
Grid Synchronisation		Provided	
Grid Charging		Enable / Disable (Optional)	
Power Export to Grid		Enable / Disable (Optional)	
Grid Import / Export Power		Same as Inverter Capacity	
Grid Input Voltage		230VAC +10% & -20%	
Phase / Connection		1Phase / 2Wire	
USER INTERFACE			
Display Interface		Graphical LCD with back light	
Battery Parameters		Voltage, Current, Battery State	
PV Parameters		Voltage, MPPT Charger O/P Amps, Power, Cumulative Energy	
Grid Parameters		Voltage, Frequency, Power, Power Factor, Average Power, Cumulative Exported Energy	
Load Parameters		Voltage and Current, Frequency, Power, Export KWh	
System level Parameters		Mode of Operation, Active Faults, System Mimic	
LED Indications		Mains On, Alarm, Buzzer Mute	
PROTECTIONS			
PV Side		Reverse Polarity, PV Power limit, Surge Protection (MOV)	
Battery Side		Reverse Polarity, Over / Under Voltage, Current Limit	
Grid Side		Over/ Under Voltage, Over/ Under Frequency, Surge Protection (MOV)	
Load Side		Overloads, Short circuit, Surge Protection (MOV)	
System Protection		Over Temperature trip, Breakers at all Inputs, Manual Bypass	
MONITORING (OPTIONAL)			
GPRS / Wi-fi		GPRS/ Wi-fi Based RMS Available	
MISCELLANEOUS			
Degree of Protection		IP-21	
Environment Temperature		0 to 50(without derating)(Recommended Temp. : 0 to 40)	
Humidity		Max 95% non condensing	
Altitude		1000m above sea level	
Footprint Dimensions (all in mm)		650 * 630	